

WHAT IS CLAIMED IS:

1. A system for treating a tissue of a patient with light, the system comprising:
a plurality light emitting devices optically coupled with a treatment area of a
patient's tissue;

5 wherein the plurality of light emitting devices, are configured into different
regions of light emitting devices, and wherein the treatment area includes a plurality
of sub-areas, and different sub-areas correspond to different regions of light emitting
devices;

a driver circuit electrically coupled with the plurality of light emitting devices
10 such that the driver circuit can drive the light emitting devices to output light
treatment to the tissue, wherein the driver circuit drives the plurality of regions to
output different intensities of light treatment to the different sub-areas of patient's
tissue; and

a controller coupled to the driver circuit which controls the driver circuit to
15 drive the different regions of light emitting devices to output different intensities of
light treatment to the different sub-areas of the patient's tissue.

2. The system of claim 1, wherein a first sub-area of the patient's tissue includes
a low melanin content, and a second sub-area of the patient's tissue includes high melanin
20 content, and wherein the controller operates to cause the driver circuit to drive the first region
of light emitting devices which corresponds to the first sub-area to output a light treatment,
and to cause the driver circuit to not drive the a second region of light emitting devices, such
that no light treatment is provided to the second sub-area.

25 3. The system of claim 2 further including:

a first light sensing device is included in the first region of light emitting
devices, and detects light reflected from the first sub-area of a patient's tissue having
a low melanin content, and generates a first signal corresponding to the reflection of
light from the first sub-area, and wherein the first light sensing devices is coupled to
30 the controller, and the controller receives the first signal, and based on the first signal

causes the driver circuit to drive the first region of light emitting devices to output the light treatment; and

a second light sensing device is included in the second region of light emitting devices, and detects light reflected from the second sub-area of a patient's tissue having a high melanin content, and generates a second signal corresponding to the reflection of light from the second sub-area, and wherein the second light sensing device is coupled to the controller, and the controller receives the second signal, and based on the second signal causes the driver circuit to not drive the second region of light emitting devices, such that no light treatment is provided to the second sub-area.

4. The system of claim 1, wherein a first sub-area of the patient's tissue includes a first level of melanin content, and a second sub-area of the patient's tissue includes second level of melanin content, and wherein the controller operates to cause the driver circuit to drive the first region of light emitting devices which corresponds to the first sub-area to output a first level of light treatment, and to cause the driver circuit to drive the second region of light emitting devices which corresponds to the second sub-area to output a second level of light treatment.

5. The system of claim 4, further including:

a first light sensing device is included in the first region of light emitting devices, and detects light reflected from the first sub-area of a patient's tissue having the first level of melanin content, and generates a first signal corresponding to the reflection of light from the first sub-area, and wherein the first light sensing devices is coupled to the controller, and the controller receives the first signal, and based on the first signal causes the driver circuit to drive the first region of light emitting devices to output the first level of light treatment; and

a second light sensing device is included in the second region of light emitting devices, and detects light reflected from the second sub-area of a patient's tissue having the second level of melanin content, and generates a second signal corresponding to the reflection of light from the second sub-area, and wherein the second light sensing device is coupled to the controller, and the controller receives the

second signal, and based on the second signal causes the driver circuit to drive the second region of light emitting devices, to output the second level of light treatment.

6. The system of claim 1, wherein the light emitting devices are light emitting
5 diodes.

7. The system of claim 1, wherein at least one of the different regions of light emitting devices, includes only a single light emitting device.

10 8. The system of claim 1, wherein at least one of the different regions of light emitting devices includes more than one light emitting device.